


Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Att. Docket No. 010500	Serial No. 10/004,082 RECEIVED MAR 06 2002 TC 1700
	Applicant Richard D. McCullough et al.	
	Filing Date December 4, 2001	Group 1711

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue Date	Patentee	Class	Sub-Class	Filing Date
RG	4,508,639	4/1985	Camps et al.			
RG	4,521,589	6/1985	Yamamoto et al.			
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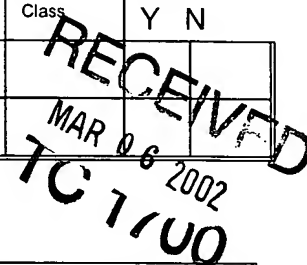
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner Initial		Document Number	Public. Date	Country or Patent Office	Class	Sub-Class	Transl Y N



OTHER DOCUMENTS

(Including Author, Title, Date, Relevant Pages, Place of Publication)

RG	✓	McCullough, "The Chemistry of Conducting Polythiophenes", <i>Advanced Materials</i> , Vol. 10, No. 2, pp. 93-116 (1998)
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RG	✓	Iraqi et al., "Synthesis and Characterisation of Telechelic Regioregular Head-to-Tail Poly(3-Alkylthiophenes)", <i>Mater. Chem.</i> , Vol. 8, No. 1, pp. 25-29 (1998)
RG	✓	Shirakawa et al., "Cross-Coupling Reaction of Organostannanes with Aryl Halides Catalyzed by Nickel-Triphenylphosphine or Nickel-Lithium Halide Complex", <i>Synthesis</i> , pp. 1544-1549 (October, 1998)
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RG	✓	Chen et al., "Regiocontrolled Synthesis of Poly(3-alkylthiophenes) Mediated by Rieke Zinc: Their Characterization and Solid-State Properties", <i>J. Am. Chem. Soc.</i> , Vol. 117, pp. 233-244 (1995)
RG	✓	Mao et al., "Synthesis and Structure-Property Relationships of Regioirregular Poly(3-hexylthiophenes)", <i>Macromolecules</i> , Vol. 26, pp. 1163-1169 (1993)
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RG	✓	Yamamoto et al., "Preparation of π -Conjugated Poly(thiophene-2,5-diyl), Poly(<i>p</i> -phenylene), and Related Polymers Using Zerovalent Nickel Complexes. Linear Structure and Properties of the π -Conjugated Polymers", <i>Macromolecules</i> , Vol. 25, pp. 1214-1223 (1992)
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Date Considered		<i>Rachel Gurr 10-11-02</i>

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.